

## **Historic, Archive Document**

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United States  
Department of  
Agriculture

Soil  
Conservation  
Service

Boise,  
Idaho



# Idaho Water Supply Outlook

February 1, 1988



# Foreword

## How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are terms reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

## For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado	2490 West 26th Ave., Denver, CO 80211
New Mexico	517 Gold Ave. S.W., Room 3301, Albuquerque, NM 87102-3157
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	1201 Terminal Way, Room 219, Reno, NV 89502
Oregon	1220 Southwest 3rd Ave., Room 1640, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201-1080
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82601

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 248, Portland, OR 97209.

### Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Environment Technical Services Division, 9820 106th St., Edmonton, Alberta T5K 2J6.

# **Idaho Water Supply Outlook**

**and**

## **Federal — State — Private Cooperative Snow Surveys**

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## STREAMFLOW PROSPECTS IDAHO

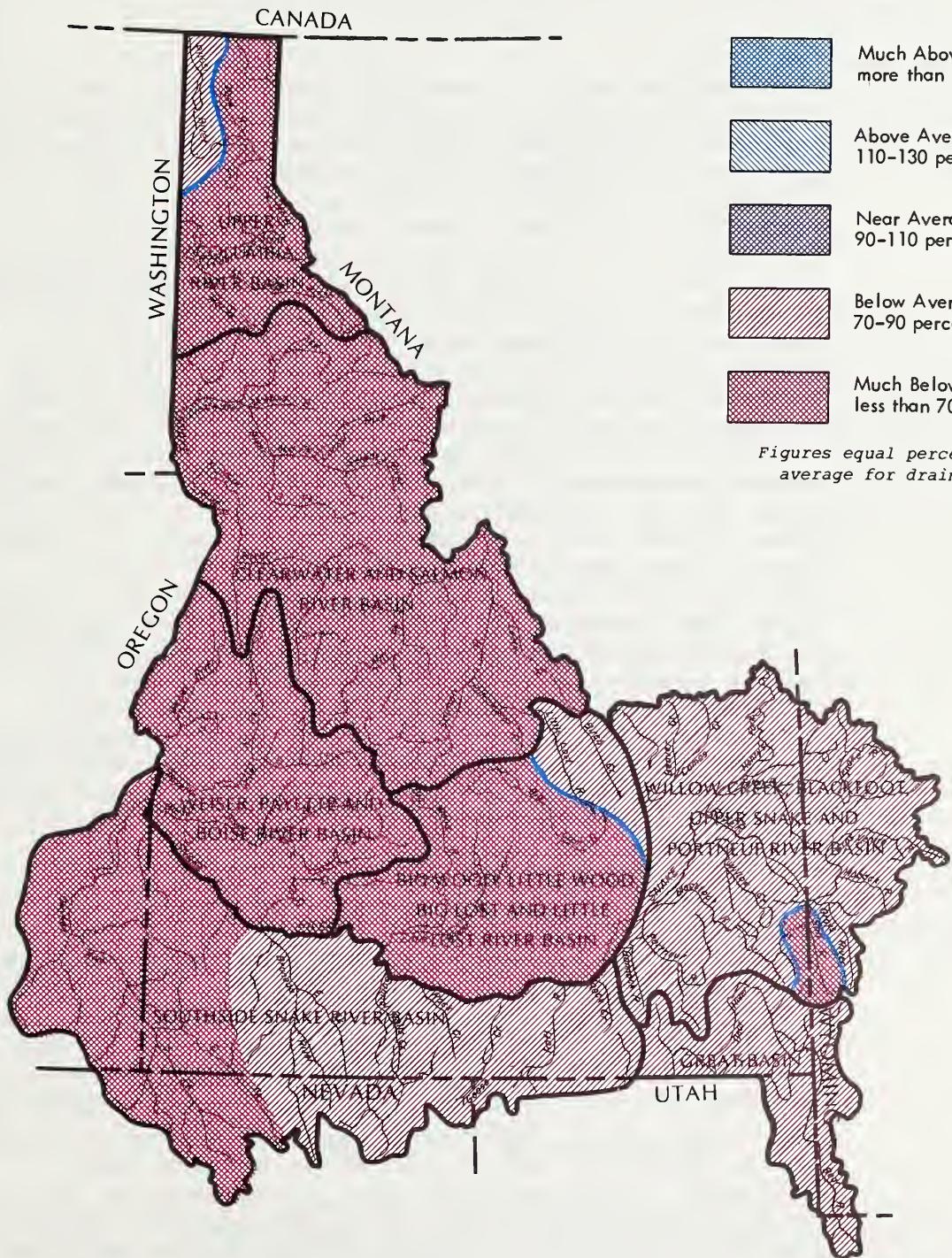
0 25 50 75 100 MI

0 50 100 150 KM

### LEGEND

	Much Above Average more than 130 percent
	Above Average 110-130 percent
	Near Average 90-110 percent
	Below Average 70-90 percent
	Much Below Average less than 70 percent

*Figures equal percent of  
average for drainage.*



## GENERAL OUTLOOK

### SUMMARY:

MOTHER NATURE HAS DEPRIVED IDAHO OF NORMAL PRECIPITATION FOR YET ANOTHER MONTH, AND AS A RESULT MOST STREAMFLOW FORECASTS HAVE BEEN REDUCED FROM THOSE REPORTED A MONTH AGO. SNOW ACCUMULATION DURING JANUARY WAS 60-80% OF NORMAL ACROSS THE STATE, AND MOST STREAMS ARE NOW FORECAST TO YIELD ONLY 60 TO 70% OF NORMAL RUNOFF THIS SPRING AND SUMMER. EXTREMELY HEAVY PRECIPITATION WILL BE NEEDED IN THE COMING MONTHS TO SIGNIFICANTLY IMPROVE THIS OUTLOOK.

### SNOWPACK:

Although February 1 snow surveys show an overall increase in Idaho's snowpack from the previous month, snowpack conditions remain below to well below normal throughout the state. Snow accumulation during January was generally 60-80% of normal. In comparison to normal, most watersheds show a 10 to 20% improvement over the January 1 surveys, but snowpacks still range from only 52 to 84% of normal. In northern Idaho, from the Salmon River north, snowpack conditions range from a low of 52% of average on the Coeur d'Alene basin to 72% on the Priest River drainage. The central Idaho mountain snowpacks generally range from 60-66% of average, except in the Little Lost basin which reports 84% of normal snowpack. Snowpacks in eastern Idaho and the Upper Snake in Wyoming range from 62% on the Salt River to 80% on the Snake above Jackson, with most basins reporting between 66 and 78% of normal. Basins on the south side of the Snake River report conditions ranging from 69 to 78% of average, except on the Bruneau where the snowpack is reported to be 84% of normal. The Great Basin area in extreme southeastern Idaho reports 63 to 76% of normal snowpacks. By February 1, approximately 60% of the snowpack accumulation season has passed. Much above average precipitation will be needed over the next two months if snowpack conditions are to improve to near normal.

### PRECIPITATION:

Precipitation averaged about 75% of normal across the state. The southeast corner of Idaho fared the best with Idaho Falls at 104% of normal, Pocatello 94%, and Ashton 92%. Salmon, on the other end of the scale recorded just 35% of normal. By geographic regions within the state, northern Idaho showed near 65%, the central mountains reported a wide range from 80% at McCall to a low of 35% at Salmon, and southeast Idaho was near 90%. Temperatures were near to a little above normal over the northern third of the state, while the southern two-thirds were below normal. Boise had a departure of minus 3.8 degrees farenheit, with Twin Falls and Pocatello at minus 2.5 degrees.

## **RESERVOIRS:**

In general, reservoir carryover storage remains below normal in most reservoirs throughout the state. The combined storage in 23 key reservoirs across Idaho is 81% of average and 54% of capacity. The best carryover storage is found in the Upper Snake basin where most reservoirs report 96-103% of average with the exception of Palisades Reservoir which contains 75% of normal storage. The lowest carryover storage volumes are found in southcentral and southwestern Idaho, where storages generally range from a low of 17% of average in Magic Reservoir to 73% in Salmon Falls Reservoir. The exceptions are Cascade and Deadwood Reservoirs which report 89 and 81% of normal storage, respectively. Storage levels in northern Idaho reservoirs vary widely, ranging from only 39% of normal in Coeur d'Alene Lake to 106% in Priest Lake.

## **STREAMFLOW:**

Most streamflow forecasts have been lowered from those reported a month ago due to below normal precipitation received during January. April-July volume forecasts range from 57% of average for the Weiser River to 80% for the Little Lost River near Howe. The best outlook is across the southern edge of Idaho (from the Bruneau basin eastward) through the Upper Snake drainage, where forecasts are typically in the mid-seventy percent of normal range. This contrasts with north central Idaho, where forecasts are in the low sixties. With only two months remaining in the snow accumulation season, it is doubtful that Idaho's snowpack will improve enough to significantly upgrade these forecasts.

## **RECREATIONAL OUTLOOK:**

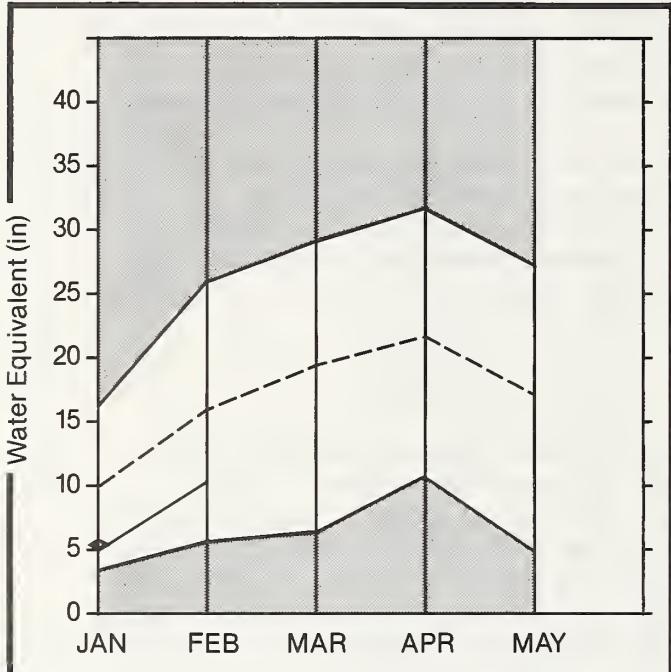
February 1 snowpack levels and streamflow forecasts indicate that a below normal runoff can be expected. The timing and level of runoff in Idaho's rivers will largely depend on precipitation during the remainder of the snow accumulation season and temperatures during the spring. River runners may want to consider the positive attributes of below normal streamflows in their trip planning this year:

- earlier than normal rafting season
- warmer water for swimming
- bigger beaches for camping
- better fishing
- scenic beauty of spring

The Idaho Outfitters and Guides Association reports that Idaho's major whitewater rafting rivers should not be adversely affected by below normal streamflow forecasts.

# Upper Columbia Basin

**Mountain snowpack\* (inches)**



\*Based on selected stations

Maximum



Average



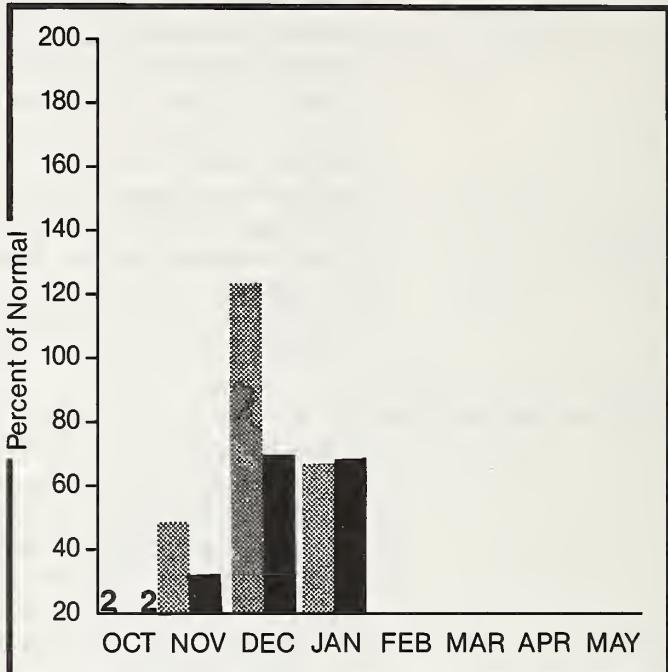
Minimum



Current



**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation



Year to date precipitation



## WATER SUPPLY OUTLOOK:

Snowpack conditions in this basin show little or no improvement from those reported near January 1. February 1 snowpacks remain well below normal, ranging from 52-61% of average on all basins except the Priest River drainage, which reports 72% of average conditions. Apr-July streamflow forecasts decreased from last month, ranging from 60 to 72% of normal. Reservoir carryover storage is also well below normal on Coeur d'Alene and Pend Oreille Lakes at 39 and 64% of normal, respectively. Priest Lake reports slightly above normal storage at 106% of average.

**For more information contact your local Soil Conservation Service office.**

**UPPER COLUMBIA RIVER BASIN**

**STREAMFLOW FORECASTS**

FORECAST POINT	FORECAST PERIOD	25 YR. AVG.	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
KOOTENAI at Leonia 2	APR-SEP	8441.0	6040.0	72	7900.0	94	4100.0	49
	APR-JUL	7340.0	5250.0	72	6870.0	94	3600.0	49
	APR-JUN	5899.0	4250.0	72	5550.0	94	2900.0	49
CLARK FORK at White Horse Rapids 2	APR-SEP	13370.0	9010.0	67	12800.0	96	5270.0	39
	APR-JUL	12150.0	8180.0	67	11700.0	96	4780.0	39
	APR-JUN	10360.0	6940.0	67	9900.0	96	4040.0	39
PENO OREILLE LAKE inflow 2	APR-SEP	14930.0	9920.0	66	14100.0	94	5740.0	38
	APR-JUL	13650.0	9070.0	66	12800.0	94	5250.0	38
	APR-JUN	11780.0	7770.0	66	11100.0	94	4470.0	38
PRIEST RIVER at Priest 2	APR-SEP	893.0	640.0	72	930.0	104	345.0	39
	APR-JUL	838.0	600.0	72	870.0	104	325.0	39
SPOKANE at Post Falls 2	APR-SEP	2820.0	1750.0	62	3100.0	110	560.0	20
	APR-JUL	2723.0	1720.0	63	3000.0	110	540.0	20
ST. JOE at Calder	APR-SEP	1281.0	805.0	63	1170.0	91	450.0	35
	APR-JUL	1211.0	760.0	63	1100.0	91	420.0	35
COEUR D'ALENE at Enaville	APR-SEP	830.0	500.0	60	900.0	108	110.0	13
	APR-JUL	789.0	475.0	60	850.0	108	105.0	13

RESERVOIR	RESERVOIR STORAGE (1000AF)				WATERSHED SNOWPACK ANALYSIS			
	USEABLE CAPACITY	*** USEABLE STORAGE ***			WATERSHED	NO. COURSES	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			AVG'D	LAST YR.
HUNGRY HORSE	3451.0	1887.0	2402.0	2406.0	Kootenai ab Bonners Ferry	44	72	59
FLATHEAD LAKE	1791.0	840.2	840.2	1133.0	Pend Oreille River	122	84	61
PENO OREILLE	1155.0	529.9	212.7	823.1	Clark Fork River	81	92	63
NOXON RAPIDS	335.0	324.7	295.8	314.2	Priest River	5	100	72
COEUR D'ALENE	222.8	80.2	88.2	205.4	Rathdrum Creek	0	0	0
PRIEST LAKE	97.7	34.8	29.8	32.9	Hayden Lake	0	0	0
					Coeur d'Alene River	8	74	52
					St. Joe River	7	86	61
					Spokane River	15	81	57
					Falouse River	0	0	0

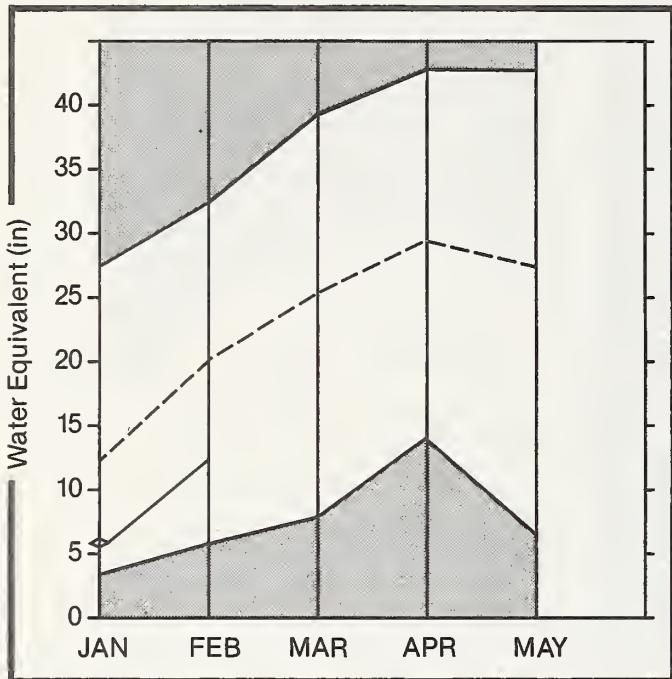
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2 - Corrected for upstream diversions or changes in reservoir storage.

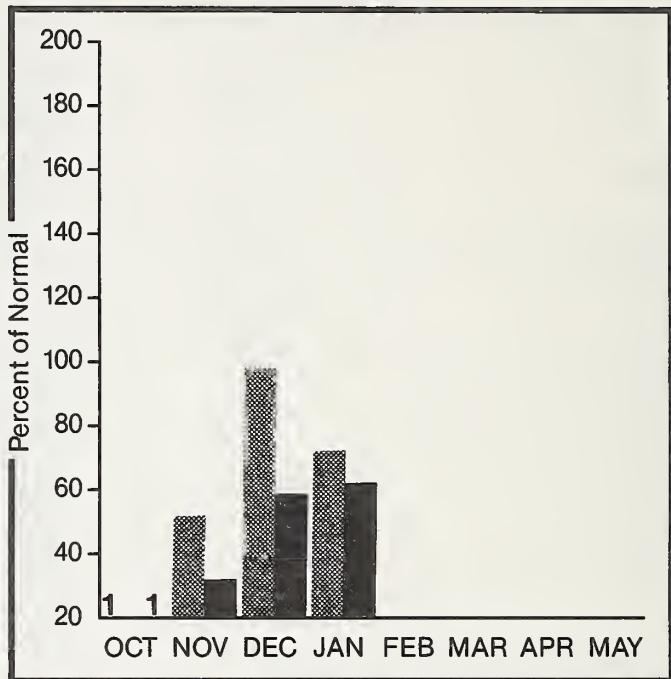
The average is computed for the 1961-85 base period.

# Clearwater and Salmon River Basin

Mountain snowpack\* (inches)



Precipitation\* (percent of normal)



\*Based on selected stations

Maximum         Average   

Minimum         Current   

\*Based on selected stations

Monthly precipitation         Year to date precipitation   

## WATER SUPPLY OUTLOOK:

Although February 1 snow surveys show a general improvement in the snowpack conditions over those reported a month ago, snowpacks remain well below normal throughout the basin. Snowpacks currently range from 52% of average on the Lemhi River drainage to 72% on the Lochsa River, with most basins reporting 59-64% of normal snowpack. Apr-July seasonal volume streamflows are forecast to be well below normal, ranging from 60% of average on the N. Fk. Clearwater to 66% on the Salmon nr Salmon. Dworshak Reservoir reports 84% of normal storage for February 1. Soil moisture conditions remain below normal as a result of the dry summer and fall. Well above normal snowfall will be needed for the remainder of the snow accumulation period to significantly improve the summer water supply outlook.

**CLEARWATER AND SALMON RIVER BASIN**

**STREAMFLOW FORECASTS**

FORECAST POINT	FORECAST PERIOD	25 YR. AVG.	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
CLEARWATER at Orofino	APR-SEP	5163.0	3200.0	62	5060.0	98	1340.0	26
	APR-JUL	4889.0	3040.0	62	4800.0	98	1280.0	26
CLEARWATER at Spalding	APR-SEP	8378.0	5200.0	62	8380.0	100	2090.0	25
	APR-JUL	7916.0	4920.0	62	7930.0	100	1980.0	25
DWORSHAK RESERVOIR inflow	APR-SEP	3010.0	1810.0	60	3010.0	100	750.0	25
	APR-JUL	2822.0	1680.0	60	2820.0	100	705.0	25
SALMON at Whitebird	APR-SEP	7007.0	4550.0	65	7000.0	100	2310.0	33
	APR-JUL	6322.0	4120.0	65	6210.0	98	2090.0	33
SALMON at Salmon	APR-SEP	1077.0	710.0	66	1150.0	107	270.0	25
	APR-JUL	919.0	610.0	66	980.0	107	240.0	26

RESERVOIR STORAGE (1000AF) | WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.				
DWORSHAK	3467.8	1854.8	2424.7	2198.2	North Fork Clearwater	13	91	59
					Lochsa River	4	102	72
					Selway River	2	106	68
					Clearwater River	16	94	62
					Salmon River ab Salmon	7	131	66
					Lemhi River	1	93	52
					Salmon River Total	20	122	65

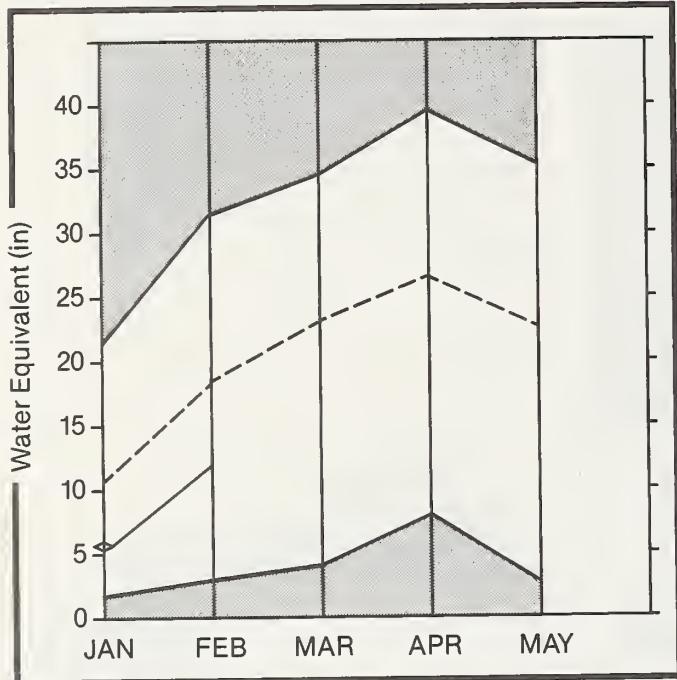
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The average is computed for the 1961-85 base period.

# Weiser, Payette, and Boise River Basin

**Mountain snowpack\* (inches)**



\*Based on selected stations

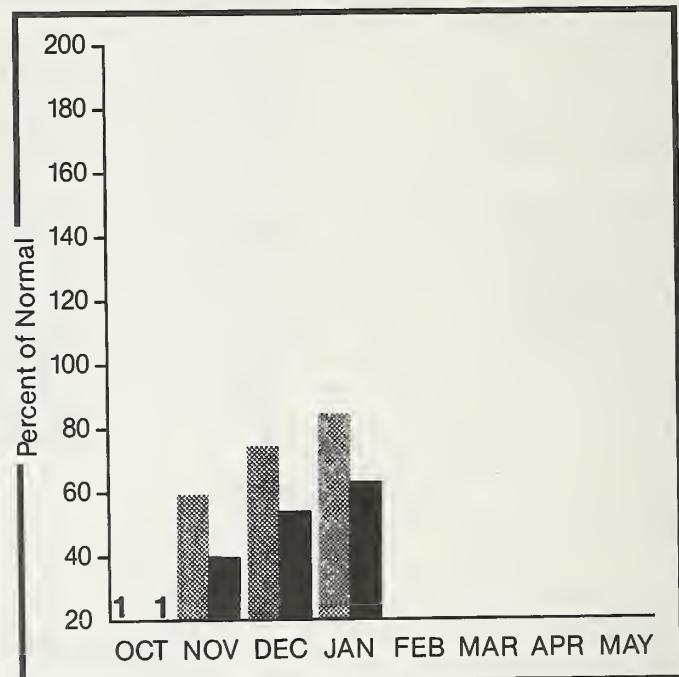
Maximum

Average

Minimum

Current

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation

Year to date precipitation

## WATER SUPPLY OUTLOOK:

In comparison to normal, the February 1 surveys show a 10 to 20% improvement in the snowpack conditions from those reported last month. For the water year, however, snowpacks remain below normal, ranging from 63 to 66% of average. Apr-July streamflow forecasts now range from 57 to 70%. Reservoir carryover storage is also below normal ranging from 42 to 69% on the Boise system reservoirs, 81% in Deadwood Reservoir, and 89% in Cascade Reservoir. The Boise storage system is not expected to fill to capacity unless above normal precipitation occurs over the next few months. Water supplies, however, should be minimally adequate to meet irrigation needs on the Boise and Payette basins assuming near normal precipitation from this date on. Water supplies on the Weiser basin are expected to be in very short supply even if normal precipitation is received.

**WEISER, PAYETTE AND BOISE RIVER BASIN**

**STREAMFLOW FORECASTS**

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
WEISER nr Weiser	APR-SEP	444.0	255.0	57	510.0	115	44.0	10
	APR-JUL	414.0	235.0	57	470.0	114	41.0	10
PAYETTE RIVER at Horseshoe Bend	APR-SEP	1862.0	1270.0	68	1820.0	98	710.0	38
	APR-JUL	1717.0	1170.0	68	1680.0	98	650.0	38
NF PAYETTE RIVER at Cascade 2	APR-SEP	568.0	385.0	68	550.0	97	220.0	39
	APR-JUL	531.0	360.0	68	515.0	97	205.0	39
NF PAYETTE RIVER nr Banks 2	APR-SEP	737.0	510.0	69	695.0	94	325.0	44
	APR-JUL	691.0	480.0	69	655.0	95	310.0	45
SF PAYETTE RIVER at Lowman	APR-SEP	516.0	360.0	70	490.0	95	230.0	45
	APR-JUL	458.0	320.0	70	435.0	95	205.0	45
DEADWOOD RESERVOIR inflow	APR-JUL	143.0	100.0	70	138.0	97	62.0	43
BOISE RIVER nr Twin Springs 1	APR-SEP	722.0	485.0	67	660.0	91	300.0	42
	APR-JUL	664.0	445.0	67	605.0	91	280.0	42
SF BOISE at Anderson Dam 1	APR-SEP	619.0	400.0	65	530.0	86	270.0	44
	APR-JUL	578.0	375.0	65	495.0	86	255.0	44
BOISE RIVER nr Boise 1	APR-SEP	1628.0	1095.0	67	1630.0	100	555.0	34
	APR-JUL	1508.0	1010.0	67	1510.0	100	510.0	34
	APR-JUN	1334.0	890.0	67	1330.0	100	455.0	34

RESERVOIR STORAGE (1000AF) | WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	WATERSHED	NO. COURSES	THIS YEAR AS % OF
	THIS YEAR	LAST YEAR AVG.		Avg'D	LAST YR. AVERAGE
MANN CREEK	11.3	1.6	3.2	5.4	Mann Creek 1 119 58
CASCADE	703.2	362.7	465.4	409.4	Weiser River 4 123 63
DEADWOOD	162.0	64.6	88.0	79.5	North Fork Payette 9 112 66
ANDERSON RANCH	464.2	125.3	369.1	300.6	South Fork Payette 7 143 66
ARROWROCK	286.6	146.3	239.3	223.9	Payette River Total 15 122 65
LUCKY PEAK	307.0	81.0	56.7	117.4	Middle & North Fork Boise 9 144 65
LAKE LOWELL (DEER FLAT)	177.0	87.8	129.1	131.0	South Fork Boise River 8 157 63
					Boise River Total 17 155 66
					Canyon Creek 1 132 61

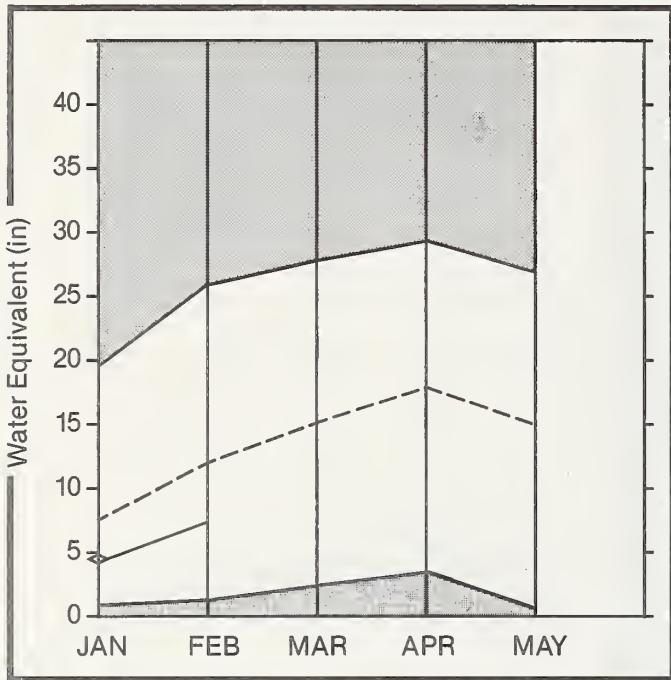
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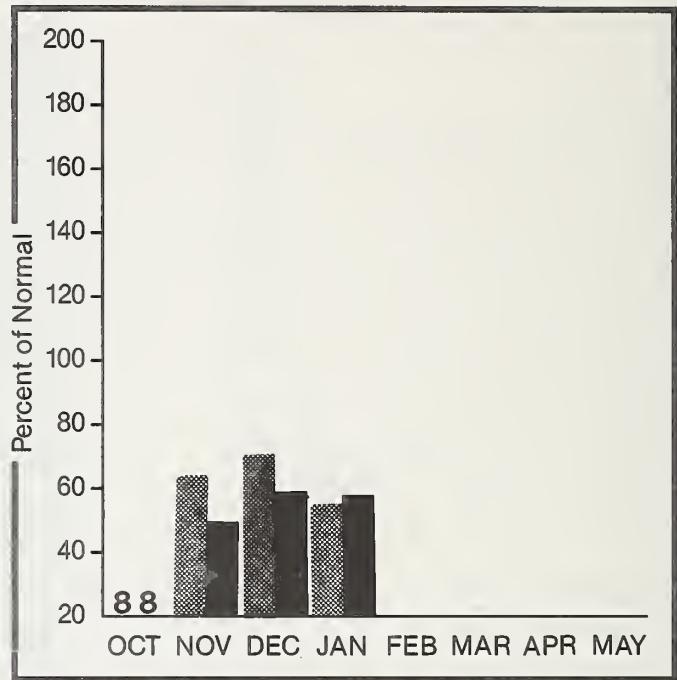
# Big Wood, Little Wood, Big Lost, and Little Lost River Basin

Mountain snowpack\* (inches)



\*Based on selected stations

Precipitation\* (percent of normal)



\*Based on selected stations

Maximum           Average        
Minimum           Current     

Monthly precipitation        
Year to date precipitation     

## WATER SUPPLY OUTLOOK:

February 1 snowpack conditions remain well below normal over much of the basin, ranging from 60 to 66% of average on all drainages except the Little Lost River basin which reports 84% of average. Apr-July water supplies are forecast to be below normal ranging from 63 to 80% of average. Reservoir carryover storage is below normal in most major irrigation reservoirs, ranging from only 17% of average (8% of capacity) in Magic Reservoir to 81% of average in Mackay Reservoir. Magic Reservoir is not expected to fill to capacity and water could be in short supply for users served by this reservoir, unless above normal precipitation occurs over the next few months.

For more information contact your local Soil Conservation Service office.

BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
BIG WOOD nr Bellevue	APR-SEP	217.0	147.0	68	205.0	94	91.0	42
	APR-JUL	202.0	137.0	68	190.0	94	84.0	42
MAGIC RESERVOIR inflow	APR-SEP	338.0	220.0	65	380.0	112	57.0	17
	APR-JUL	322.0	210.0	65	360.0	112	55.0	17
LITTLE WOOD nr Carey	APR-SEP	107.0	67.0	63	100.0	93	35.0	33
	APR-JUL	99.0	62.0	63	92.0	93	32.0	32
BIG LOST at Howell Ranch	APR-SEP	219.0	149.0	68	215.0	98	66.0	30
	APR-JUL	192.0	131.0	68	190.0	99	58.0	30
	APR-JUN	148.0	101.0	68	145.0	98	45.0	30
BIG LOST nr Mackay 2	APR-SEP	195.0	134.0	69	205.0	105	65.0	33
LITTLE LOST b1 Wet Ck	APR-SEP	38.8	30.0	77	45.0	116	15.0	39
	APR-JUL	31.4	24.0	76	36.0	115	12.0	38
LITTLE LOST nr Howe	APR-SEP	44.0	35.0	80	51.0	116	19.0	43
	APR-JUL	33.0	26.0	79	38.0	115	14.0	42

RESERVOIR	RESERVOIR STORAGE (1000AF)			WATERSHED SNOWPACK ANALYSIS				
	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			LAST YR.	AVERAGE
MAGIC	191.5	15.7	114.5	92.8	Big Wood ab Magic	10	152	62
LITTLE WOOD	30.0	11.4	20.5	15.5	Camas Creek	3	170	60
CAREY VALLEY	14.4	2.7	6.6	---	Big Wood Total	12	155	61
MACKAY	44.5	24.2	32.8	30.0	Little Wood River	4	249	66
					Fish Creek	0	0	0
					Big Lost River	4	181	65
					Little Lost River	4	233	84

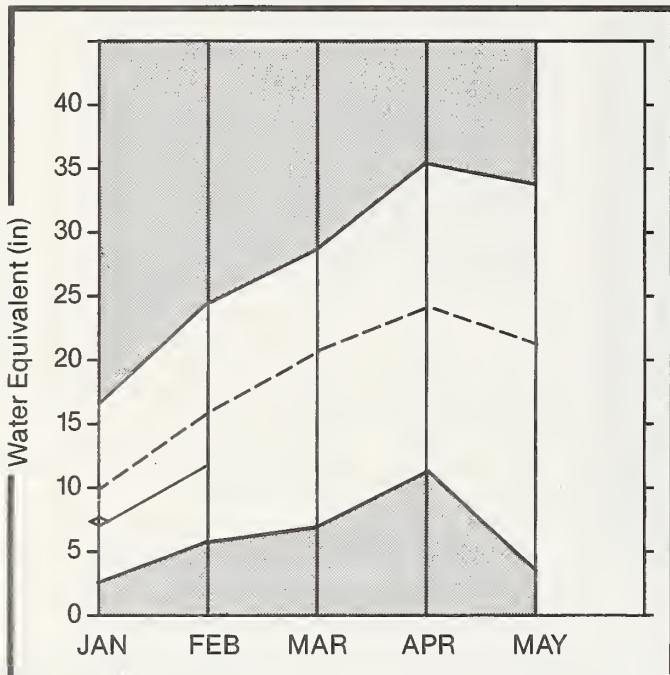
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# Willow Creek, Blackfoot, Upper Snake, and Portneuf River Basin

Mountain snowpack\* (inches)



\*Based on selected stations

Maximum



Average



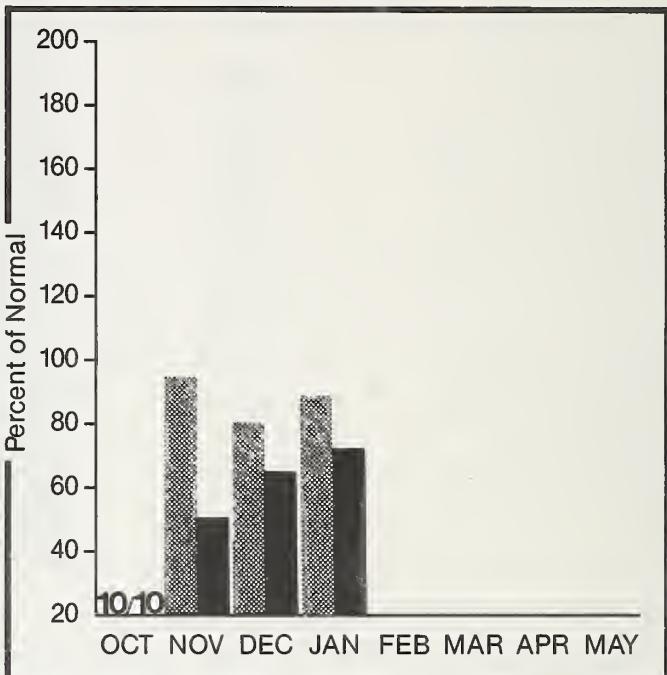
Minimum



Current



Precipitation\* (percent of normal)



\*Based on selected stations

Monthly precipitation



Year to date precipitation



## WATER SUPPLY OUTLOOK:

Although snowpacks in this basin are among the best reported in the state, February 1 surveys show that snowpack conditions remain below to well below normal. In comparison to normal, the lower elevation basins show a good improvement from the January 1 surveys, while the higher elevation basins remain about the same. Currently, snowpack conditions range from a low of 62% of average on the Salt River drainage to 80% on the Snake above Jackson and the Willow Creek drainage. Seasonal volume forecasts are below normal, ranging from 69 to 77% of average. Reservoir carryover storage is good with near average storage levels in most major reservoirs. In general, water supplies should be adequate to meet user needs assuming near normal precipitation from this data on.

For more information contact your local Soil Conservation Service office.

**WILLOW CREEK, BLACKFOOT, UPPER SNAKE AND PORTNEUF RIVER BASIN**

**STREAMFLOW FORECASTS**

FORECAST POINT	FORECAST PERIOD	25 YR. AVG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
HENRY'S FORK nr Ashton 2	APR-SEP	746.0	575.0	77	665.0	89	490.0	66
	APR-JUL	557.0	430.0	77	495.0	89	365.0	66
HENRYS FORK nr Rexburg 2	APR-SEP	1595.0	1110.0	70	1450.0	91	770.0	48
	APR-JUL	1260.0	880.0	70	1145.0	91	610.0	48
FALLS RIVER nr Squirrel	APR-JUL	373.0	275.0	74	355.0	95	195.0	52
TETON RIVER ab S Leigh Ck.	APR-SEP	194.0	147.0	76	176.0	91	118.0	61
	APR-JUL	145.0	110.0	76	132.0	91	88.0	61
TETON nr St. Anthony	APR-SEP	479.0	365.0	76	440.0	92	285.0	59
	APR-JUL	387.0	295.0	76	355.0	92	230.0	59
SNAKE at Moran 1	APR-SEP	888.0	670.0	75	830.0	93	515.0	58
PALISADES LAKE inflow 1	APR-SEP	3852.0	2860.0	74	3910.0	102	1820.0	47
SNAKE nr Heise 2	APR-SEP	4142.0	3070.0	74	4200.0	101	1930.0	47
	APR-JUL	3524.0	2610.0	74	3560.0	101	1650.0	47
SNAKE nr Blackfoot 2	APR-SEP	5680.0	4150.0	73	5400.0	95	2900.0	51
	APR-JUL	4589.0	3360.0	73	4360.0	95	2320.0	51
PORTNEUF at Topaz	MAR-SEP	109.0	76.0	70	116.0	106	36.0	33
	MAR-JUL	88.0	61.0	69	94.0	107	28.0	32

RESERVOIR STORAGE (1000AF) | WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **	WATERSHED	NO. COURSES	THIS YEAR AS % OF
	THIS YEAR	LAST YEAR	Avg.	Avg'd	Last Yr. Average
ISLAND PARK	127.6	104.0	108.1	100.7	Camas-Beaver Creeks 4 172 68
GRASSY LAKE	15.2	8.9	12.9	10.7	Henrys Fork River 6 134 70
JACKSON LAKE	624.4	93.6	82.6	535.6	Teton River 9 118 78
PALISADES	1200.0	760.3	1209.0	1016.0	Snake above Palisades 31 111 74
AMERICAN FALLS	1700.0	1106.6	1101.9	1141.5	Snake above Jackson Lake 9 142 80
BROWNLEE	975.3	572.3	731.9	665.4	Gros Ventre River 3 80 70
BLACKFOOT		NO REPORT			Greys River 4 121 76
HENRY'S LAKE	90.4	76.9	79.4	78.7	Salt River 5 97 62
RIRIE	96.5	47.4	40.5	48.5	Willow Creek 11 128 80
					Blackfoot River 7 135 72
					Portneuf River 6 142 71
					Toponce Creek 0 0 0

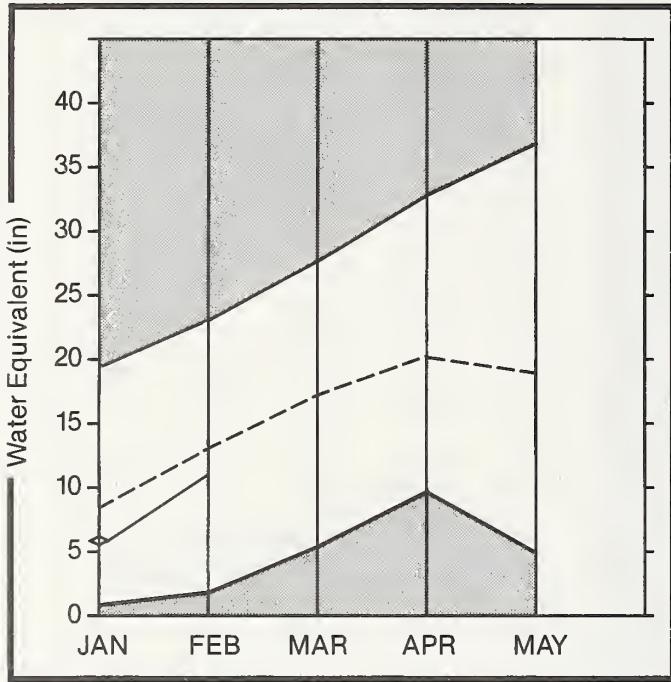
1 - Reas. max. and reas. min. forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# Southside Snake River Basin

**Mountain snowpack\*** (inches)



\*Based on selected stations

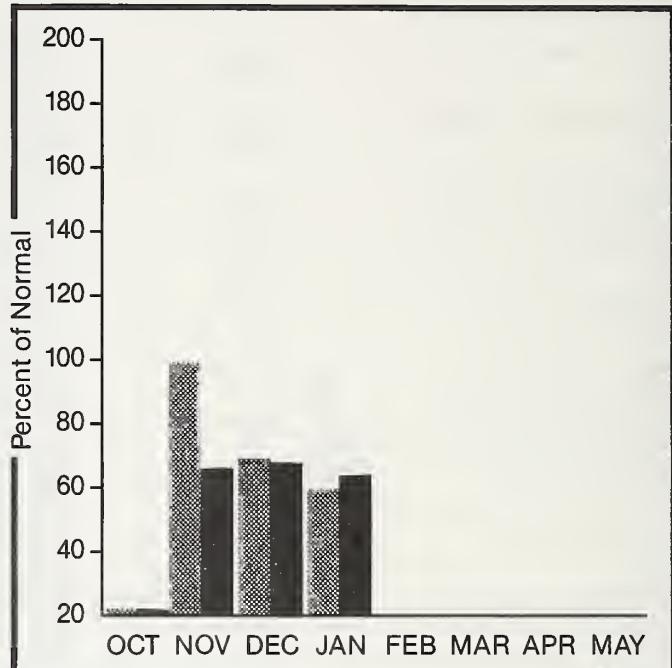
Maximum

Average

Minimum

Current

**Precipitation\*** (percent of normal)



\*Based on selected stations

Monthly precipitation

Year to date precipitation

## WATER SUPPLY OUTLOOK:

In comparison to normal, snow conditions are reported to be about the same as last month with the exception of the Owyhee River basin which shows a good improvement. Snowpacks remain below normal throughout the basin ranging from 69 to 78% of average. One exception is the Bruneau River drainage which reports 84% of normal snowpack. Apr-July streamflows are forecast to be below normal, ranging from 65 to 77% of average. Reservoir carryover storage is well below normal ranging from only 36% of average in Oakley Reservoir to 73% in Salmon Falls Reservoir. Water supplies, however, should be adequate to meet most user needs providing near or above normal precipitation occurs from this date on. Below normal precipitation patterns, however, could create shortages on the Salmon Falls and Oakley Reservoir systems.

SOUTHSIDE SNAKE RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR. AUG. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX. (1000AF)	REAS. MAX. (% AVG.)	REAS. MIN. (1000AF)	REAS. MIN. (% AVG.)
DAKLEY RESERVOIR inflow	APR-SEP	33.0	23.0	70	36.0	109	12.0	36
	APR-JUL	29.7	21.0	71	32.0	108	11.0	37
SALMON FALLS CK nr San Jacinto	MAR-SEP	102.0	77.0	75	113.0	111	38.0	37
	MAR-JUL	97.0	73.0	75	111.0	114	36.0	37
	MAR-JUN	91.0	68.0	75	104.0	114	34.0	37
BRUNEAU nr Hot Spring	MAR-SEP	260.0	200.0	77	305.0	117	96.0	37
	MAR-JUL	248.0	191.0	77	290.0	117	92.0	37
OWYHEE RIVER nr Gold Creek 2	APR-JUL	27.8	18.1	65	31.0	112	3.0	11
OWYHEE RIVER nr Owyhee 2	APR-JUL	86.0	49.0	57	98.0	114	9.0	10
OWYHEE LAKE inflow 1	APR-SEP	455.0	260.0	57	465.0	102	73.0	16
	APR-JUL	427.0	250.0	59	435.0	102	68.0	16
OWYHEE at Rome 2	APR-JUL	376.0	220.0	59	380.0	101	67.0	18

RESERVOIR STORAGE (1000AF) | WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVG'D	THIS YEAR AS % OF	
	THIS YEAR	LAST YEAR	AVG.	LAST YR.			LAST YR.	AVERAGE
OAKLEY	77.4	9.5	28.4	26.5	Raft River	1	129	69
SALMON FALLS	182.6	35.8	92.9	49.3	Goose-Trapper Creeks	2	131	69
OWYHEE	715.0	187.5	488.9	443.9	Salmon Falls Creek	9	144	78
					Bruneau River	9	162	84
					Owyhee River	24	152	80

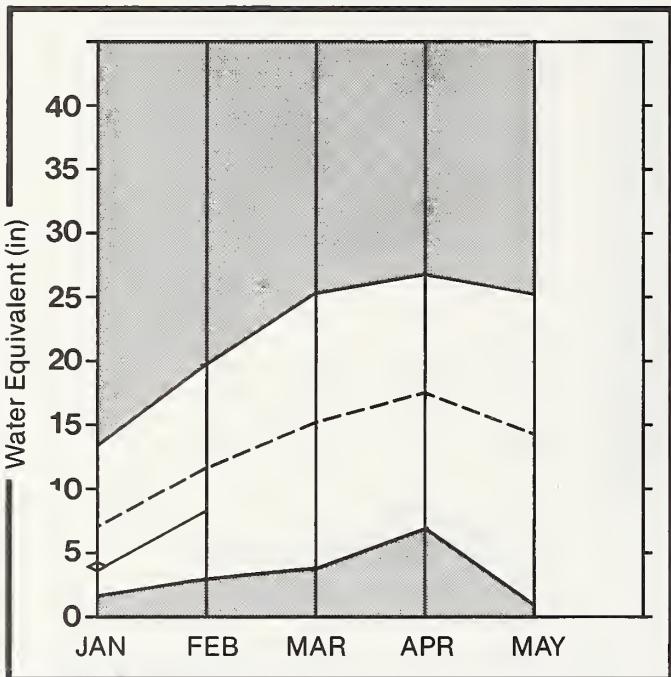
1 - Reas. max, and reas. min, forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# Great Basin

**Mountain snowpack\* (inches)**

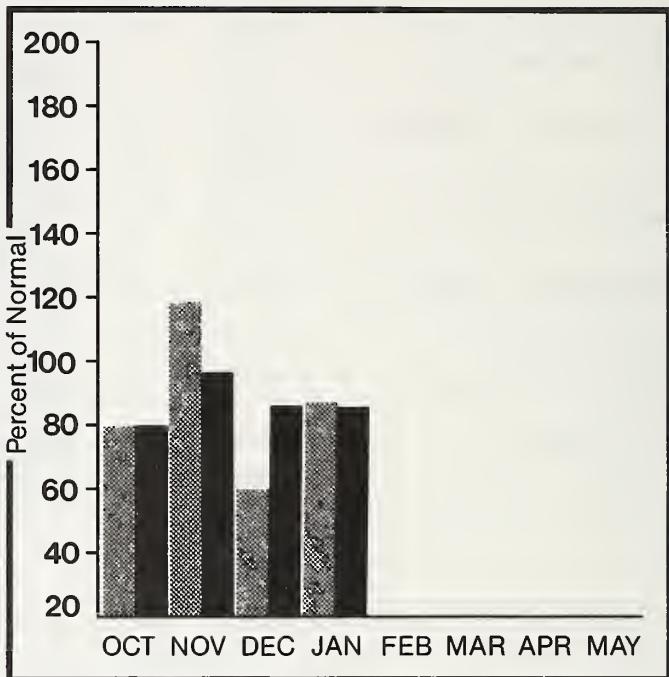


\*Based on selected stations

Maximum Average

Minimum Current

**Precipitation\* (percent of normal)**



\*Based on selected stations

Monthly precipitation

Year to date precipitation

## WATER SUPPLY OUTLOOK:

In comparison to normal, snowpack conditions show some improvement over those reported a month ago, but remain below to well below normal. Currently, snowpacks range from 63% of average on the Mink Creek drainage to 78% on Malad River. Streamflows are expected to be below normal, ranging from 68 to 75%. Carryover storage in Bear Lake is reported to be near normal for the 1st of February, while Montpelier Creek Reservoir is reported at 70% of normal. In general, water supplies should be adequate to meet user needs providing near normal precipitation occurs from this date on.

For more information contact your local Soil Conservation Service office.

**GREAT BASIN**

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	25 YR, AVG, (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVG.)	REAS. MAX, (1000AF)	REAS. MAX, (% AVG.)	REAS. MIN, (1000AF)	REAS. MIN, (% AVG.)
BEAR at Harer	APR-SEP	310.0	225.0	73	335.0	108	135.0	44
MONTPELIER CK nr Montpelier	APR-SEP	13.9	10.5	75	16.0	115	5.0	36
CUB RIVER nr Preston	APR-SEP	51.8	36.0	70	53.0	102	19.0	37
	APR-JUL	46.8	32.0	68	47.0	100	17.0	36

RESERVOIR STORAGE (1000AF) | WATERSHED SNOWPACK ANALYSIS

RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVG.			AVG'D	LAST YR.
BEAR LAKE	1421.0	1013.4	1052.9	987.6	Bear River (above Harer)	10	134	72
MONTPELIER CREEK	3.4	1.2	1.9	1.7	Montpelier Creek	7	155	76
					Mink Creek	5	130	63
					Cub River	3	134	69
					Malad River	1	230	78

1 - Reas. max, and reas. min, forecasts are for 5% and 95% exceedance levels and also (2) below.

2 - Corrected for upstream diversions or changes in reservoir storage.

The average is computed for the 1961-85 base period.

# SNOW DATA MEASUREMENTS

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85	SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85
<b>UPPER COLUMBIA BASIN</b>							<b>WATERSHED I</b>						
ABOVE BURKE	4100	2/01/88	25	6.7	9.0	14.2	ATLANTA SUMMIT	7600	1/27/88	52	15.5	10.7	24.2
ABOVE ROLAND	4350	2/01/88	—	10.8E	14.1	20.8	ATLANTA SUM PILLOW	7580	2/01/88	—	15.5	11.3	21.6
BEAR MOUNTAIN	5400	2/01/88	—	24.3E	37.0	41.5	ATLANTA TOWNSITE	5370	1/27/88	24	5.5	4.7	—
BEAR MTN PILLOW	5400	2/01/88	—	24.3	36.4	42.6	BANNER SUMMIT	7040	2/01/88	—	14.4E	11.6	21.7
BENTON MEADOW	2370	1/31/88	10	2.4	2.4	5.1	BANNER SUMMIT PILLOW	7040	2/01/88	—	13.0	9.6	19.4
BENTON SPRING	4920	1/31/88	30	8.2	8.6	13.2	BAD BEAR	4940	2/01/88	30	6.9	5.7	10.5
BREEZY SADDLE	5010	2/01/88	52	13.7	15.2	20.6	BEAR BASIN	5350	2/01/88	—	6.9E	6.3	13.5
FORTY-NINE MEADOWS	4830	2/01/88	49	12.7	14.0	20.3	BEAR BASIN PILLOW	5350	2/01/88	—	6.5	5.9	13.4
FOURTH OF JULY SUM	3200	2/01/88	18	5.4	6.0	7.1	BEAR SADDLE	6180	2/01/88	—	12.5E	10.5	21.6
HUMBOLDT GULCH	4250	2/01/88	23	5.4	8.5	10.7	BEAR SADDLE PILLOW	6180	2/01/88	—	12.6	9.7	21.8
HUMBOLDT GLCH PILLOW	4250	2/01/88	—	5.1	8.2	9.7	BENNETT MOUNTAIN	5650	2/01/88	33	7.9E	6.0	12.9
KELLOGG PEAK AM	5560	2/01/88	—	12.2E	16.6	22.4	BENNETT MTN PILLOW	5650	2/01/88	—	6.8	5.8	13.6
LOOKOUT	5140	2/01/88	49	12.6	16.6	23.6	BIG CREEK SUMMIT	6580	2/01/88	—	17.5E	15.9	25.4
LOOKOUT PILLOW	5140	2/01/88	—	13.1	17.4	23.0	BIG CREEK SUN PILLOW	6580	2/01/88	—	15.5	13.8	22.0
LOST LAKE	6110	2/01/88	75	21.0	25.8	39.1	BOGUS BASIN	6340	2/02/88	44	11.2	6.2	16.7
LOST LAKE PILLOW	6110	2/01/88	—	22.3	33.0	44.4	BOGUS BASIN ROAD	5540	2/02/88	25	5.9	2.5	5.9
LOWER SANDS CREEK	3120	2/01/88	—	6.2E	8.1	12.3	BOULDER CREEK	5440	2/02/88	44	9.6	8.0	16.6
MOSQUITO RIDGE	5200	2/02/88	57	16.2	18.8	26.2	BRUNDAGE MOUNTAIN	7560	2/01/88	—	22.2E	—	30.8
MOSQUITO PILLOW	5200	2/01/88	—	16.2	19.1	26.3	BRUNDAGE RESV PILLOW	4500	2/01/88	—	11.9	11.1	—
SCHWEITZER BASIN	6090	1/29/88	76	25.0	25.4	33.0	COUCH SUMMIT	6840	1/25/88	33	7.6	4.1	13.2
SCHWEITZER BN PILLOW	6090	2/01/88	—	29.4	29.3	34.6	COZY COVE	5380	1/27/88	28	6.6	5.6	11.9
SCHWEITZER BOWL	4800	1/29/88	50	16.3	15.3	21.4	COZY COVE PILLOW	5380	2/01/88	—	9.2	5.8	17.9
SCHWEITZER RIDGE	6200	1/29/88	69	23.6	24.1	32.2	CRAWFORD R.S.	4860	1/28/88	17	4.0	3.0	6.3
SHERWIN	3200	1/29/88	23	6.4	6.5	9.8	DEADMAN GULCH	5600	1/30/88	42	10.3	5.8	12.5
SHERWIN PILLOW	3200	2/01/88	—	6.0	6.4	9.5	DEADWOOD AIRSTRIIP	5360	2/01/88	—	8.7E	5.9	11.2
SUNSET	5540	2/01/88	33	8.0	13.2	22.8	DEADWOOD SUMMIT	6860	1/27/88	66	21.2	14.6	32.2
SUNSET PILLOW	5540	2/01/88	—	10.8	18.3	24.3	DEADWOOD SUM PILLOW	6860	2/01/88	—	22.0	15.4	35.5
<b>CLEARWATER AND SALMON BASINS</b>							<b>WATERSHED II</b>						
BANNER SUMMIT	7040	2/01/88	—	14.4E	11.6	21.7	GRAHAM GUARD STATION	5690	1/27/88	30	7.9	5.7	11.6
BANNER SUMMIT PILLOW	7040	2/01/88	—	13.0	9.6	19.4	GRAHAM G.S. PILLOW	5690	2/01/88	—	6.4	6.3	12.2
BEAR BASIN	5350	2/01/88	—	6.9E	6.3	13.5	IDAHO CITY TOWNSITE	4000	2/01/88	20	4.5	1.8	4.3
BEAR BASIN PILLOW	5350	2/01/88	—	6.5	5.9	13.4	JACKSON PEAK	7070	1/27/88	43	12.2	9.4	22.4
BIG CREEK SUMMIT	6580	2/01/88	—	17.5E	15.9	25.4	JACKSON PEAK PILLOW	7070	2/01/88	—	13.3	11.1	20.9
BIG CREEK SUM PILLOW	6580	2/01/88	—	15.5	13.8	22.0	LAKE FORK	5290	1/28/88	26	6.5	10.0	11.8
BOULDER CREEK	5440	2/02/88	44	9.6	8.0	16.6	MOORES CREEK SUMMIT	6100	2/01/88	60	16.3	11.0	22.6
BREEZY SADDLE	5010	2/01/88	52	13.7	15.2	20.6	MOORES CK SUM PILLOW	6100	2/01/88	—	15.8	10.7	22.9
BRUNDAGE MOUNTAIN	7560	2/01/88	—	22.2E	—	30.8	PRairie	4800	1/30/88	14	3.5	2.5	4.9
BRUNO CREEK	7920	2/03/88	39	11.0	—	13.7	ROAD CREEK	5380	1/27/88	19	4.5	4.0	7.4
CAYUSE AIRSTRIIP	3500	1/29/88	24	6.4	5.6	8.8	ROCK FLAT SUMMIT	5310	1/31/88	36	7.5	8.4	12.6
COOL CREEK	6250	2/01/88	78	21.4	21.4	36.6	SECESH SUMMIT	6520	1/31/88	66	17.3	13.2	25.1
COOL CREEK PILLOW	6280	2/01/88	—	20.5	23.3	34.4	SECESH SUMMIT PILLOW	6520	2/01/88	—	17.4	12.1	25.4
CRATER MEADOWS	5960	1/29/88	58	17.2	19.2	30.2	SOLDIER R.S.	5740	1/25/88	24	5.9	2.5	9.5
CRATER MDWS PILLOW	5960	2/01/88	—	18.5	21.5	31.6	SOLDIER R.S. PILLOW	4330	2/01/88	—	6.1	3.3	—
CROOKED FORK	3610	2/02/88	29	8.0	7.0	9.9	SQUAW FLAT	6240	2/01/88	—	13.5E	10.7	18.4
DEADWOOD SUMMIT	6860	1/27/88	66	21.2	14.6	32.2	SQUAW FLAT PILLOW	6240	2/01/88	—	12.0	9.1	16.2
DEADWOOD SUM PILLOW	6860	2/01/88	—	22.0	15.4	35.5	SQUAW MEADOW	5900	1/31/88	67	16.5	11.8	24.3
ELK BUTTE	5550	2/01/88	57	14.4	13.0	25.5	TRINITY MOUNTAIN	7770	1/27/88	60	19.5	11.6	29.3
ELK BUTTE PILLOW	5550	2/01/88	—	15.7	17.9	28.7	TRINITY MTN. PILLOW	7770	2/01/88	—	19.9	13.4	28.3
FISH LAKE AIRSTRIIP	6560	1/29/88	65	19.1	18.5	27.0	TRIPOD SUMMIT	5260	1/28/88	34	9.2	9.2	12.9
FOORTY-NINE MEADOWS	4830	2/01/88	49	12.7	14.0	20.3	VIENNA MINE	8960	1/27/88	50	15.5	11.3	25.1
GALENA SUMMIT	8780	1/29/88	36	8.8	7.0	16.4	VIENNA MINE PILLOW	8960	2/01/88	—	16.3	11.6	25.1
GALENA SUMMIT PILLOW	8780	2/01/88	—	9.5	6.5	13.2	WEST BRANCH	5560	2/02/88	48	11.8	9.2	18.2
GI88ONS PASS	7100	1/29/88	40	10.7	10.1	16.0	WEST BRANCH PILLOW	5560	2/01/88	—	11.7	10.3	18.1
HEMLOCK BUTTE	5810	1/29/88	57	16.4	19.2	34.0	<b>BIG WOOD, LITTLE WOOD, BIG LOST AND LITTLE LOST BASINS</b>						
HEMLOCK BUTTE PILLOW	5810	2/01/88	—	18.7	21.9	33.3	BEAR CANYON	7900	2/01/88	—	9.4E	3.6	12.4
HOODOO BASIN	6050	1/30/88	80	23.5	26.6	34.6	BEAR CANYON PILLOW	7900	2/01/88	—	8.5	3.0	11.4
HOODOO CREEK	5900	1/30/88	71	19.4	23.0	31.7	BENNETT MOUNTAIN	6560	2/01/88	33	7.9E	6.0	12.9
LOLO PASS	5240	2/02/88	45	13.2	16.4	20.6	BENNETT MTN PILLOW	6560	2/01/88	—	6.8	5.8	13.6
LOLO PASS PILLOW	5240	2/01/88	—	14.3	14.4	22.2	COPPER BASIN	7640	2/01/88	—	2.7E	1.4	6.3
LOST LAKE	6110	2/01/88	75	21.0	25.8	39.1	COUCH SUMMIT	6840	1/25/88	33	7.6	4.1	13.2
LOST LAKE PILLOW	6110	2/01/88	—	22.3	33.0	44.4	DOLLARHIDE SUMMIT	8420	1/27/88	38	10.5	6.1	17.2
MEADOW LAKE	9150	2/01/88	—	6.8E	7.3	13.1	DOLLARHIDE SM PILLOW	8420	2/01/88	—	11.0	7.6	17.5
MEADOW LAKE PILLOW	9150	2/01/88	—	5.2	7.3	13.4	GALENA	7440	2/01/88	—	7.8E	6.1	13.7
MILL CREEK SUMMIT	8800	2/01/88	—	10.0E	8.0	16.0	GALENA PILLOW	7440	2/01/88	—	8.0	6.6	13.5
MILL CREEK ST PILLOW	8800	2/01/88	—	9.6	—	15.0	GALENA NEW	7470	1/29/88	33	8.3	6.3	15.2
MOONSHINE	7440	1/27/88	24	5.9	2.9	7.3	GALENA SUMMIT	8780	1/29/88	36	8.8	7.0	16.4
MOONSHINE PILLOW	7440	2/01/88	—	5.8	4.5	7.5	GALENA SUMMIT PILLOW	8780	2/01/88	—	9.5	6.5	13.2
MOOSE CREEK	6200	2/01/88	37	9.2	6.0	12.1	GARFIELD R.S.	6560	1/28/88	19	4.4	1.9	7.4
MOOSE CR PILLOW	6200	2/01/88	—	9.1	7.4	12.2	GARFIELD R.S. PILLOW	6560	2/01/88	—	4.8	2.1	7.3
MORGAN CREEK	7600	2/01/88	—	7.0E	5.7	9.6	GRAHAM RANCH	6270	1/29/88	24	4.8	3.6	10.0
MORGAN CREEK PILLOW	7600	2/01/88	—	6.8	5.4	9.2	HILTS CREEK	8000	1/28/88	27	7.0	2.5	7.7
MOUNTAIN MEADOWS	6360	2/01/88	—	9.9E	8.8	15.8	HILTS CREEK PILLOW	8000	2/01/88	—	8.9	3.9	8.9
MOUNTAIN MDWS PILLOW	6360	2/01/88	—	11.3	10.7	18.3	HYNDMAN CREEK	7440	2/01/88	—	7.8E	3.5	10.0
NEZ PERCE PASS	6570	2/01/88	—	7.6e	—	10.9	HYNDMAN PILLOW	7440	2/01/88	—	7.1	3.2	8.7
PIERCE R.S.	3080	2/01/88	21	5.6	5.1	8.1	LOST-WOOD DIVIDE	7900	2/01/88	—	11.0E	6.8	16.0
ROCK FLAT SUMMIT	5310	1/31/88	36	7.5	8.4	12.6	LOST-WOOD DVD PILLOW	7900	2/01/88	—	11.2	6.2	16.1
SADDLE MOUNTAIN	7940	1/29/88	42	11.4	11.7	17.6	MASCOT MINE	7780	2/01/88	—	8.4E	3.8	10.6
SAVAGE PASS	6170	2/02/88	48	14.0	11.4	17.7	MOONSHINE	7440	1/27/88	24	5.9	2.9	7.3
SAVAGE PASS PILLOW	6170	2/01/88	—	13.6	13.4	18.3	MOONSHINE PILLOW	7440	2/01/88	—	5.8	4.5	7.5
SECESH SUMMIT	6520	1/31/88	66	17.3	13.2	25.1	MOUNT BALDY	8920	1/28/88	37	9.2	5.9	14.5
SECESH SUMMIT PILLOW	6520	2/01/88	—	17.4	12.1	25.4	MULDODUN	6320	1/28/88	15	3.1	1.7	5.6
SHANGHAI SUMMIT	4570	1/29/88	31	9.2	12.0	17.8	SAW MILL CANYON	7000	1/27/88	22	4.0	3.4	5.7
SHANGHAI SUM PILLOW	4570	2/01/88	—	10.0									

# SNOW DATA MEASUREMENTS (cont.)

SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85	SNOW COURSE	ELEVATION	DATE	SNOW DEPTH	WATER CONTENT	LAST YEAR	AVERAGE 1961-85	
<b>WILLOW, BLACKFOOT, UPPER SNAKE AND PORTNEUF BASINS</b>							<b>WATERSHED V</b>							
ASPEN GROVE	6500	2/01/88	---	7.8E	5.7	8.9	ANTELOPE RIDGE	6180	2/01/88	---	3.0E	3.5	—	
AUSTIN BROTHERS RANCH	6400	1/26/88	21	4.9	3.5	6.6	BADGER GULCH	6660	2/01/88	---	6.7E	5.1	8.1	
BEAVERDAM CREEK	6120	1/30/88	21	4.7	—	6.5	BATTLE CREEK	5720	1/28/88	9	2.2	1.2	2.9	
BIG SPRINGS	6400	1/27/88	36	8.9	7.5	14.0	BEAR CREEK	7800	1/28/88	35	10.4	6.0	13.5	
BIRCH CREEK	6800	1/28/88	21	5.4	5.6	7.7	BEAR CK SNTEL	7800	2/01/88	—	10.0	5.0	13.0	
BLACK BEAR	7950	2/01/88	—	20.2e	—	26.4	BIG BEND	6700	1/25/88	22	5.4	2.0	6.2	
BLUE LEDGE MINE	6900	2/01/88	—	8.4E	4.4	11.8	BOSTETTER R.S.	7500	2/01/88	—	8.6E	6.6	14.2	
BLUE RIDGE	6780	1/28/88	35	10.1	7.8	13.6	BOSTETTER RS PILLOW	7500	2/01/88	—	7.5	5.5	12.4	
BONE	6200	1/28/88	19	4.4	2.5	5.6	BULL BASIN	5460	1/28/88	9	1.8	1.2	1.4	
BROCKMAN STATION	6430	1/28/88	24	6.5	5.1	6.8	CLEAR CREEK MEADOWS	9420	2/01/88	—	9.3E	—	15.2	
CAMP CREEK	6580	1/28/88	20	4.0	3.2	7.2	COLUMBIA BASIN	6650	1/25/88	—	5.8E	3.4	6.5	
COULTER CREEK	7020	2/01/88	44	12.1	6.5	15.1	DEADLINE	7400	1/30/88	29	7.8	8.3	15.5	
COULTER CREEK PILLOW	7020	2/01/88	—	11.6	8.1	15.9	DEADLINE SOUTH	7450	1/30/88	39	11.7	11.2	16.9	
CRAB CREEK	6860	2/01/88	—	7.4E	3.6	10.8	FAWN CREEK	7050	1/25/88	—	5.2E	—	5.8	
CRAB CREEK PILLOW	6860	2/01/88	—	7.8	3.9	11.4	FRY CANYON	6700	1/25/88	19	4.6	—	5.5	
EAST CREEK	7000	1/30/88	31	7.1	—	7.7	GOAT CREEK	8800	2/01/88	—	9.8E	5.4	11.7	
FALL CREEK	6820	1/28/88	19	4.7	4.0	6.8	GOLD CREEK	6600	1/25/88	16	3.7	1.3	3.9	
GRASSY LAKE	7270	1/28/88	59	18.8	14.3	24.0	HOWELL CANYON	7980	2/01/88	—	12.6E	9.8	18.2	
GRASSY LAKE PILLOW	7270	2/01/88	—	15.7	14.8	24.8	HOWELL CANYON PILLOW	7980	2/01/88	—	10.6	8.1	15.3	
INDIAN MEADOWS	9420	1/28/88	64	21.1	13.9	24.8	HUMMINGBIRD SPRINGS	8950	2/01/88	—	13.8E	8.9	15.5	
ISLAND PARK	6290	1/27/88	33	8.1	6.6	11.6	HYDE PASTURE	5760	1/28/88	9	2.2	.1	4.7	
ISLAND PARK PILLOW	6290	2/01/88	—	9.2	6.3	11.5	JACK CREEK, LOWER	6800	1/25/88	19	4.6	2.6	2.6	
JACKPINE CREEK	7350	1/28/88	41	12.5	8.6	15.2	JACKS PEAK	8420	1/25/88	42	9.4	9.1	14.4	
KILCORE	6320	2/01/88	29	5.9	3.7	8.2	JOHNSTON POND	6700	1/28/88	6	1.4	2.4	—	
LAVA CREEK	7350	1/28/88	32	8.7	6.8	10.1	LANGFORD FLAT CREEK	5980	1/30/88	19	5.1	2.2	5.1	
LOWER PEBBLE	5780	1/30/88	34	8.1	4.0	9.3	LAURO DRAW	6700	1/25/88	25	5.3	4.9	5.8	
MADISON PLATEAU	7750	2/01/88	—	11.0e	—	14.4	LOOKOUT BUTTE	5650	1/28/88	2	.3	.0	.3	
MC REYNOLDS RESERVOIR	6720	1/28/88	34	9.1	6.8	13.1	LOUISE CANYON	6440	1/28/88	15	3.4	2.7	4.1	
MINK CREEK	6410	1/30/88	35	8.5	6.8	12.4	MAGIC MOUNTAIN	6880	1/30/88	39	9.9	6.7	13.1	
MUD CREEK	7100	1/28/88	39	10.8	9.8	13.3	MAGIC MTN PILLOW	6880	2/01/88	—	9.8	7.0	13.1	
PACKSADDLE SPRING	B200	1/28/88	48	14.9	10.8	19.0	MUD FLAT	5730	2/01/88	—	3.8E	3.7	4.8	
PEBBLE CREEK	6550	1/30/88	34	7.9	4.5	11.5	OREGON CANYON	6950	1/28/88	15	3.4	.8	4.3	
PHILLIPS BENCH	8200	1/29/88	54	14.9	14.8	21.2	POLE CREEK R.S.	8330	2/01/88	—	11.8E	8.2	13.0	
PINE CREEK PASS	6810	1/29/88	38	9.9	7.7	11.6	QUINN RIDGE	AM	6300	1/28/88	19	4.2	1.2	1.5
SAWTELL MOUNTAIN	B720	1/27/88	54	16.7	11.5	23.0	RED CANYON	6650	1/28/88	18	4.1	3.3	5.5	
SEDGEWICK PEAK	7850	1/30/88	36	9.2	—	12.8	RODEO FLAT	6800	1/25/88	21	4.8	—	4.7	
SHEEP MOUNTAIN	6570	1/28/88	28	7.8	5.0	9.2	SEVENTYSIX CREEK	7100	1/25/88	23	5.8	4.5	8.3	
SHEEP MTN PILLOW	6570	2/01/88	—	8.1	5.6	10.1	SEVENTYSIX CK SNTEL	7100	1/25/88	20	4.4	2.4	6.3	
SLUG CREEK DIVIDE	7230	1/27/88	30	7.5	5.8	11.3	SHOSHONE BASIN	5810	2/01/88	—	4.8E	2.3	4.8	
SLUG CK DVD PILLOW	7230	2/01/88	—	8.7	5.4	12.9	SOUTH MOUNTAIN	6500	2/03/88	36	10.2	7.2	10.1	
SOMSEN RANCH	6840	1/26/88	32	7.7	5.6	10.1	SOUTH MTN PILLOW	6500	2/01/88	—	10.0	6.8	9.6	
SOMSEN RANCH PILLOW	6800	2/01/88	—	7.0	4.8	9.3	SUCOR CREEK	AM	6100	1/28/88	21	4.8	2.6	4.4
STATE LINE	6660	1/29/88	33	8.0	7.4	9.9	TAYLOR CANYON	6200	1/25/88	15	3.3	1.4	4.1	
TETON PASS W.S.	7740	1/29/88	48	12.9	15.2	17.5	TOE JAM AM	AM	7700	2/01/88	—	5.9e	2.0	7.4
TEX CREEK	6650	2/01/88	—	5.1E	3.6	6.2	VAUGHT RANCH	AM	5830	1/28/88	19	4.0	1.8	3.0
VALLEY VIEW	6680	1/27/88	26	5.8	5.9	11.4	WAR EAGLE	7280	1/28/88	16	4.8	8.4	18.3	
WHISKEY CREEK	6800	2/01/88	—	8.4e	—	13.2	<b>GREAT BASIN</b>							
WHITE ELEPHANT	7710	1/27/88	43	12.0	6.8	17.0	<b>WATERSHED VII</b>							
WHITE ELEPHANT PILL	7710	2/01/88	—	14.6	10.0	18.1	CUB RIVER R.S.	5450	2/01/88	—	5.2E	4.3	6.6	
WILDHORSE DIVIDE	6490	1/30/88	34	8.0	6.9	11.7	EMIGRANT SUMMIT	7390	1/28/88	42	11.2	8.0	16.9	
WILDHORSE DVD PILLOW	6490	2/01/88	—	7.8	6.8	10.7	EMIGRANT SUM PILLOW	7390	2/01/88	—	10.8	8.0	19.3	
							EMIGRATION CANYON	6500	1/28/88	24	5.1	4.5	7.6	
							FRANKLIN BASIN	8020	1/25/88	—	10.3E	8.1	16.6	
							GIVEOUT	6860	1/27/88	30	6.6	3.9	8.5	
							GIVEOUT PILLOW	6840	2/01/88	—	8.0	3.3	8.9	
							GIVEOUT NEW	6930	1/27/88	29	7.1	3.2	7.6	
							LIBERTY SPRING	8600	2/01/88	—	13.8E	10.1	24.2	
							LITTLE BEAVER	6790	1/27/88	35	9.0	4.3	10.5	
							LOWER HOME CANYON	7640	1/28/88	28	6.7	4.7	9.7	
							MONTPELIER CREEK	6540	2/01/88	—	5.0E	2.6	5.7	
							OXFORD MOUNTAIN	6800	2/01/88	—	6.4E	2.7	—	
							OXFORD SPRING	6740	2/01/88	—	6.2E	2.7	7.9	
							OXFORD SPRING PILLOW	6740	2/01/88	—	6.2	2.2	8.9	
							STRAWBERRY CREEK	5820	1/28/88	28	6.1	4.0	7.5	
							STRAWBERRY-MINK DVD	6720	2/01/88	—	8.4E	7.6	14.8	
							UPPER HOME CANYON	8560	1/28/88	40	10.6	9.3	15.8	
							WILLOW FLAT	6070	2/01/88	—	8.2E	5.3	11.2	



## The Following Organizations Cooperate With The Soil Conservation Service In Snow Survey Work

<b>State</b>	Idaho Department of Water Resources Soil and Water Conservation Districts of Idaho
<b>Federal</b>	U.S. Department of Agriculture Forest Service U.S. Department of Army Corps of Engineers U.S. Department of Commerce NOAA, National Weather Service U.S. Department of Interior Bureau of Reclamation Geological Survey, Water Resources Division Shoshone-Bannock Tribal Council
<b>Local</b>	Big Lost River Irrigation District Big Wood Irrigation Company Boise Project Board of Control Idaho Water District #01 Lewiston Orchards Irrigation District Little Wood River Irrigation District North Board of Control — Owyhee Project Salmon Falls Irrigation Company South Board of Control — Owyhee Project
<b>Private</b>	Cyprus Mining Company FMC Corporation Idaho Power Company Le Bois Resort Washington Water Power Company

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

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